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CLAIMS: Please amend the claims according to the status designations in the following list, which contains all claims that were ever in the application, with the text of all active claims.

- 1.-4. (CANCELED)
5. (NEW) An aerosol splitting device, comprising
- a. a nebulizer means for generating aerosol particles and
 - b. a non-linear spray chamber means for segregating said aerosol particles based upon their momentum, and thus upon their size, and
 - c. temperature control of said non-linear spray chamber as means for shifting aerosol size distribution, and
 - d. a drain suitably located in said non-linear spray chamber
- whereby said nebulizer propels an aerosol into said non-linear spray chamber and under thermal influence of said temperature control, said aerosol particles shift size distribution either through partial evaporation or condensation, and under geometric influence of said non-linear spray chamber the larger particles are directed to said drain, and the smaller particles are directed to the exit of said non-linear spray chamber.
6. (NEW) The device of claim 5 wherein the non-linear spray chamber is a stainless steel tube with both a straight section and curved section, said straight section being means for shifting aerosol size distribution, and said curved section providing means for a momentum separator.
7. (NEW) The device of claim 5 wherein the source of thermal energy for said temperature control is a thermoelectric plate also known as a peltier device, whereby the peltier may raise the temperature of said non-linear spray chamber when operating as a heater, and may decrease the temperature of said non-linear spray chamber when operated as a cooler.
8. (NEW) The device of claim 7 wherein two aluminum plates of predetermined shape transfer thermal energy between said peltier device and said non-linear spray chamber, the predetermined shape being such that a flat surface exists for intimate thermal contact with said peltier device, a formed recess exists for intimate thermal contact with said non-linear spray chamber, and that the two plates maintain intimate thermal contact with each other when assembled.